

852 Product Activity Data

Functional Group ID=**PD**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Product Activity Data Transaction Set (852) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used by a distributor, warehouse, or retailer to advise a trading partner of inventory, sales, and other product activity information. Product activity data enables a trading partner to plan and ship, or propose inventory replenishment quantities, for distribution centers, warehouses or retail outlets. The receiver of the transaction set will maintain some type of inventory/product movement records for its trading partners to enable replenishment calculations based on data provided by the distributor, warehouse or retailer.

Notes:

1. Organizations use this transaction set to provide asset balance and point of sale information to vendors responsible for replenishing distribution centers, warehouses or retail outlets.
2. Use a single occurrence of this transaction set to report asset balance and point of sale information to a single vendor for a single distribution center, warehouse or retail outlet.

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	XQ	Reporting Date/Action	M	1		
Must Use	030	XPO	Preassigned Purchase Order Numbers	O	>1		
N/U	040	N9	Reference Number	O	>1		
N/U	050	PER	Administrative Communications Contact	O	3		
LOOP ID - N1						200	
Must Use	060	N1	Name	O	1		n1
N/U	070	N2	Additional Name Information	O	1		
N/U	080	N3	Address Information	O	2		
N/U	090	N4	Geographic Location	O	1		
N/U	100	FOB	F.O.B. Related Instructions	O	1		
N/U	110	TD5	Carrier Details (Routing Sequence/Transit Time)	O	1		
N/U	120	DTM	Date/Time/Period	O	>1		
N/U	130	N9	Reference Number	O	>1		
N/U	140	PER	Administrative Communications Contact	O	3		

Detail:

852 - Product Activity Data

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
			LOOP ID - LIN			999999	
Must Use	150	LIN	Item Identification	O	1		
N/U	160	CTP	Pricing Information	O	25		
N/U	170	PO4	Item Physical Details	O	1		
N/U	171	N9	Reference Number	O	>1		
N/U	175	AMT	Monetary Amount	O	10		
			LOOP ID - ZA			99	
Must Use	180	ZA	Product Activity Reporting	M	1		n2
N/U	190	CTP	Pricing Information	O	25		
N/U	200	SDQ	Destination Quantity	O	>1		

Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	210	CTT	Transaction Totals	O	1		n3
Must Use	220	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. The reporting location is required. The reporting location is specified explicitly in the N1 segment using the code RL in N101, or implicitly using the SDQ segment (Table 2) with the location data elements. They are mutually exclusive (the SDQ and the N1 with N101 containing RL).
2. The quantity for the item identified in the LIN segment is required. Quantity is specified either in the ZA segment (ZA02) or in the SDQ segment, but not in both.
3. The number of line items (CTT01) is the accumulation of the number of LIN segments. Hash total (CTT02) is not used in this transaction set.
When sending item and activity data in the LIN loop, the CTT segment is required.

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
Must Use ST01	143	Transaction Set Identifier Code	M	ID 3/3
		Code uniquely identifying a Transaction Set		
		852 X12.52 Product Activity Data		
Must Use ST02	329	Transaction Set Control Number	M	AN 4/9
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		

Segment: **XQ** **Reporting Date/Action**
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To specify reporting date and action to be taken
Syntax Notes:
Semantic Notes: 1 XQ02 is the reporting date. If reporting a date range, then XQ02 is the start date and XQ03 is the end date.
Comments:

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
Must Use XQ01	305	Transaction Handling Code	M	ID 1/1
		Code designating the action to be taken by all parties		
		G Plan Order(s) and Ship Product		
Must Use XQ02	373	Date	M	DT 6/6
		Date (YYMMDD)		
		<i>Use this element to specify a Reporting Date.</i>		
N/U XQ03	373	Date	O	DT 6/6
		Date (YYMMDD)		

Segment: **XPO** Preassigned Purchase Order Numbers

Position: 030

Loop:

Level: Heading

Usage: Optional (Must Use)

Max Use: >1

Purpose: To transmit preassigned purchase order numbers

Syntax Notes: 1 If either XPO03 or XPO04 is present, then the other is required.

Semantic Notes: 1 XPO01 is the preassigned purchase order number. If a range of purchase order numbers is to be transmitted, use XPO01 for the first number and XPO02 as the ending number.

Comments: 1 XPO03 and XPO04 specify the location that the purchase order numbers apply to.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	XPO01	324	Purchase Order Number		M AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser <i>Agency preassigned purchase order number. There will be a separate purchase order number for each warehouse receiving location.</i>		
N/U	XPO02	324	Purchase Order Number		O AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser		
N/U	XPO03	66	Identification Code Qualifier		X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
N/U	XPO04	67	Identification Code		X AN 2/17
			Code identifying a party or other code		

Segment: **N1** Name
Position: 060
Loop: N1
Level: Heading
Usage: Optional (Must Use)
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.

Data Element Summary

Ref.	Des.	Data Element	Name	Attributes
Must Use	N101	98	Entity Identifier Code	M ID 2/2
			Code identifying an organizational entity, a physical location, or an individual	
			RL Reporting Location	
N/U	N102	93	Name	X AN 1/35
			Free-form name	
Must Use	N103	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			M4 Department of Defense Routing Identifier Code (RIC)	
			<i>See Code Source 350.</i>	
Must Use	N104	67	Identification Code	X AN 2/17
			Code identifying a party or other code	
			<i>Enter the RIC applicable to the warehouse reporting location.</i>	
N/U	N105	706	Entity Relationship Code	O ID 2/2
			Code describing entity relationship	
N/U	N106	98	Entity Identifier Code	O ID 2/2
			Code identifying an organizational entity, a physical location, or an individual	

Segment:	LIN Item Identification
Position:	150
Loop:	LIN
Level:	Detail
Usage:	Optional (Must Use)
Max Use:	1
Purpose:	To specify basic item identification data
Syntax Notes:	<ol style="list-style-type: none"> 1 If LIN04 is present, then LIN05 is required. 2 If LIN06 is present, then LIN07 is required. 3 If LIN08 is present, then LIN09 is required. 4 If LIN10 is present, then LIN11 is required. 5 If LIN12 is present, then LIN13 is required. 6 If LIN14 is present, then LIN15 is required. 7 If LIN16 is present, then LIN17 is required. 8 If LIN18 is present, then LIN19 is required. 9 If LIN20 is present, then LIN21 is required. 10 If LIN22 is present, then LIN23 is required. 11 If LIN24 is present, then LIN25 is required. 12 If LIN26 is present, then LIN27 is required. 13 If LIN28 is present, then LIN29 is required. 14 If LIN30 is present, then LIN31 is required.
Semantic Notes:	1 LIN01 is the line item identification
Comments:	<ol style="list-style-type: none"> 1 See the Data Dictionary for a complete list of ID's. 2 LIN02 through LIN31 provide for fifteen (15) different product/service ID's for each item. For Example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
Must Use LIN01	350	Assigned Identification	O	AN 1/11
		Alphanumeric characters assigned for differentiation within a transaction set		
		<i>Enter Agency unique system assigned number.</i>		
Must Use LIN02	235	Product/Service ID Qualifier	M	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		FS National Stock Number		
Must Use LIN03	234	Product/Service ID	M	AN 1/30
		Identifying number for a product or service		
		<i>Enter the National Stock Number (NSN) whose activity is being reported.</i>		
N/U LIN04	235	Product/Service ID Qualifier	O	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		

N/U	LIN05	234	Product/Service ID Identifying number for a product or service	X	AN	1/30
N/U	LIN06	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	O	ID	2/2
N/U	LIN07	234	Product/Service ID Identifying number for a product or service	X	AN	1/30
N/U	LIN08	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	O	ID	2/2
N/U	LIN09	234	Product/Service ID Identifying number for a product or service	X	AN	1/30
N/U	LIN10	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	O	ID	2/2
N/U	LIN11	234	Product/Service ID Identifying number for a product or service	X	AN	1/30
N/U	LIN12	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	O	ID	2/2
N/U	LIN13	234	Product/Service ID Identifying number for a product or service	X	AN	1/30
N/U	LIN14	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	O	ID	2/2
N/U	LIN15	234	Product/Service ID Identifying number for a product or service	X	AN	1/30
N/U	LIN16	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	O	ID	2/2
N/U	LIN17	234	Product/Service ID Identifying number for a product or service	X	AN	1/30
N/U	LIN18	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	O	ID	2/2
N/U	LIN19	234	Product/Service ID Identifying number for a product or service	X	AN	1/30
N/U	LIN20	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	O	ID	2/2
N/U	LIN21	234	Product/Service ID Identifying number for a product or service	X	AN	1/30

N/U	LIN22	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	O	ID	2/2
N/U	LIN23	234	Product/Service ID Identifying number for a product or service	X	AN	1/30
N/U	LIN24	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	O	ID	2/2
N/U	LIN25	234	Product/Service ID Identifying number for a product or service	X	AN	1/30
N/U	LIN26	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	O	ID	2/2
N/U	LIN27	234	Product/Service ID Identifying number for a product or service	X	AN	1/30
N/U	LIN28	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	O	ID	2/2
N/U	LIN29	234	Product/Service ID Identifying number for a product or service	X	AN	1/30
N/U	LIN30	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	O	ID	2/2
N/U	LIN31	234	Product/Service ID Identifying number for a product or service	X	AN	1/30

Segment: **ZA** **Product Activity Reporting**
Position: 180
Loop: ZA
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To provide activity details concerning product being reported
Syntax Notes:

- 1 If either ZA02 or ZA03 is present, then the other is required.
- 2 If either ZA04 or ZA05 is present, then the other is required.
- 3 If either ZA06 or ZA07 is present, then the other is required.

Semantic Notes:

Comments:

Data Element Summary

Ref.	Data							
	<u>Des.</u>	<u>Element</u>	<u>Name</u>			<u>Attributes</u>		
Must Use	ZA01	859	Activity Code			M	ID	2/2
			Code identifying activity details for the product being reported					
			<i>Note: Enter QA in first iteration of ZA loop. Enter QS in second iteration of ZA loop.</i>					
			QA	Current Inventory Quantity Available for Shipment or Sale				
			QS	Quantity Sold				
Must Use	ZA02	380	Quantity			X	R	1/15
			Numeric value of quantity					
			<i>Enter Quantity applicable to QA/QS.</i>					
Must Use	ZA03	355	Unit or Basis for Measurement Code			X	ID	2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken					
			<i>Enter unit of issue for NSN being reported.</i>					
			Refer to 003040 Data Element Dictionary for acceptable code values.					
N/U	ZA04	374	Date/Time Qualifier			X	ID	3/3
			Code specifying type of date or time, or both date and time					
N/U	ZA05	373	Date			X	DT	6/6
			Date (YYMMDD)					
N/U	ZA06	128	Reference Number Qualifier			X	ID	2/2
			Code qualifying the Reference Number.					
N/U	ZA07	127	Reference Number			X	AN	1/30
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.					

Segment: **CTT Transaction Totals**

Position: 210

Loop:

Level: Summary

Usage: Optional (Must Use)

Max Use: 1

Purpose: To transmit a hash total for a specific element in the transaction set

Syntax Notes:

- 1 If CTT03 is present, then CTT04 is required.
- 2 If CTT05 is present, then CTT06 is required.

Semantic Notes:

Comments:

- 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
Must Use	CTT01	354	Number of Line Items	M N0 1/6
			Total number of line items in the transaction set	
			<i>Enter the number of occurrences of LIN.</i>	
N/U	CTT02	347	Hash Total	O R 1/10
			Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.	
			Example:	
			-.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.	
N/U	CTT03	81	Weight	O R 1/10
			Numeric value of weight	
N/U	CTT04	355	Unit or Basis for Measurement Code	X ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
N/U	CTT05	183	Volume	O R 1/8
			Value of volumetric measure	
N/U	CTT06	355	Unit or Basis for Measurement Code	X ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
N/U	CTT07	352	Description	O AN 1/80
			A free-form description to clarify the related data elements and their content	

Segment: **SE** Transaction Set Trailer
Position: 220
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).

Syntax Notes:**Semantic Notes:**

Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

	Ref. Des.	Data		<u>Attributes</u>
		<u>Element</u>	<u>Name</u>	
Must Use	SE01	96	Number of Included Segments	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
Must Use	SE02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			<i>Enter the same number cited in ST02.</i>	